

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS

V-06

(Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

95499081

1. Manufactured and certified by FES, Division of Commercial Union Insurance Co. Corporation, 3475 Board Road, York, PA 17402
(Name and address)
2. Manufactured for _____
3. Location of Installation _____

4. Type Vertic 950685 --- 95499081-1E A 8262 1995
(Horiz. or Vert.) (Mfr's Serial No.) (CRN) (Drawing No.) (Rev) (Nat'l Bd. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1: 1992
to 1994 N/A Low Temp
(Addenda Date) (Code Case Nos.) (Special Service per UG-120(d)) (Year)

6. Shell: SA516-70 .375 --- 4' - 11 1/4" 11' - 4"
(Mat'l (Spec. No., Grade)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: DBL Butt Spot 85 --- --- Single Butt Spot 1
(Long (Welded, Dbl, Sngl, Lap, Butt)) (R.T. (Spot or Full)) (Eff. (%)) (T Temp. (F)) (Time (hr)) (Grth (Welded Dbl Sngl, Lap, Butt)) (R.T. (Spot, Partial or Full)) (No of Courses)

8. Heads: (a) Mat'l. SA516-70 (b) Mat'l. SA516-70
(Spec. No., Grade) (Spec. No., Grade)

| | Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Ellip Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diam | Side to Pressure (Convex or Concave) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|-------------|--------------------|----------------------|-----------|--------------------------------------|
| (a) | End | 0.312 | --- | Ellip | --- | 2:1 | --- | --- | --- | Concave |
| (b) | End | 0.312 | --- | Ellip | --- | 2:1 | --- | --- | --- | Concave |

If removable, bolts used (describe other fastenings) N/A
(Mat'l, Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 650 °F.
Min design metal temp. -30 °F at 60 psi. Hydro, pneu, or combination test pressure 225 psi.

10. Nozzles, inspection and safety valve openings:

| Purpose (Inlet, Outlet, Drain) | No. | Diam or Size | Type | Mat'l | Nom Thk | Reinforce Mat'l | How Attached | Location |
|--------------------------------|-------|--------------|------|--------|----------|-----------------|--------------|----------|
| Gas Inlet | 1 | 10" | Pipe | SA53B | SCH80 | --- | UW-16.1i | --- |
| Liquid Outlet | 1 | 18" | Pipe | SA53B | 3/8" THK | SA516-70 | UW-16.1h | --- |
| Equalizer | 1 | 3/4" | Pipe | SA106B | SCH80 | --- | UW-16.1i | --- |
| Gas Outlet | 1 | 8" | Pipe | SA53B | SCH80 | --- | UW-16.1i | --- |
| Bleed/Volute Vent | 2 - 2 | 3/4" | Pipe | SA106B | SCH80 | --- | UW-16.1i | --- |
| Level Col. | 2 | 1 1/4" | Pipe | SA106B | SCH80 | --- | UW-16.1i | --- |
| Outlet | 1 | 1" | Pipe | SA106B | SCH80 | --- | UW-16.1i | --- |
| Relief | 1 | 3/4" | Pipe | SA106B | SCH80 | --- | UW-16.1i | Top |

11. Supports: Skirt No Lugs 2 Legs 0 Other 3 Supports Attached Welded to OD of vessel
(yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: N/A
(Name of part, item number, Mfr's name and identifying stamp)

60"ODx 196" High Pressure Receiver (This vessel not designed for lethal, corrosive or nuclear service.) Exempt from impact testing per UCS-66(b)

CERTIFICATE OF SHOP COMPLIANCE
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 12,647 expires 5/14, 1996.
Date 8-18-95 Co. Name FES Signed Keith R. Falch
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION
Vessel constructed by FES at 3475 Board Road, York, PA 17402
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of PA and employed by Commercial Union Insurance Co. of Boston, MA have inspected the component described in this Manufacturer's Data Report on 8-21-95, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Date 8-21-95 Signed Rudolph H. Korte Commissions AB5593A PA 1314
(Authorized Inspector) (Nat'l Board Incl. endorsements) State, Prov. and No.